

● PRINTER RUSH ●
(PTO ASSISTANCE)

Application : 10/077969 Examiner : Gary GAU : 2681

From: J. Black Location: IDC FMF FDC Date: 5/4/05

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DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input checked="" type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
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<input type="checkbox"/> IIFW	_____	<input type="checkbox"/> Fees
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<input type="checkbox"/> SPEC	_____	

[RUSH] MESSAGE:

Please add prior man application nos. 601208, 306, and 001195, 219 to application.

Thank You

[XRUSH] RESPONSE:

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INITIALS: PS

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REV 10/04

10/077,969

WIRELESS PRIVATE BRANCH EXCHANGE (WPBX) AND
COMMUNICATING BETWEEN MOBILE UNITS AND BASE STATIONS

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This Application is a Divisional of US Patent Application No. 09/784,109 filed
10 February 16, 2001, currently pending.

TECHNICAL FIELD OF THE INVENTION

The invention relates to wireless communications systems having a plurality of mobile units (devices) having the ability to connect short-range with a plurality of Base 15 Stations, and techniques for handing off a mobile unit from one Base Station to another when the mobile unit moves between areas of coverage of neighboring Base Stations.

BACKGROUND OF THE INVENTION

The effective range of a mobile device, such as a cordless handset, from its Base 20 Station is limited by its transmission power and by the receiver sensitivity of the mobile device and the Base Station. Wireless Private Branch Exchange (WPBX) systems address this limitation by using more than one Base Station (BS). The area that a Base Station covers is called a cell. In the main, hereinafter, mobile units (devices) that are cordless (telephone) handsets are discussed.

25 In a WPBX, the Base Stations are interconnected in order to allow handsets that are in different cells to communicate with one another. When a handset moves from one cell to another during a call, the handoff (or handover) of communication from one Base Station to another Base Station enables uninterrupted communication. A central unit that 30 is usually called the "Switch" is connected to all the Base Stations. The Switch controls the operation of the system, routes the call to Base Stations and to Gateways, which connect the WPBX to external communication systems. The transmission power of a cordless handset in the WPBX is usually lower than the transmission power of the handset of a standard cellular system, which results in a WPBX for cordless handsets

574/05
, which claims benefit of provisional 60195,219 04/01/00
and claims benefit of provisional 601208,306 04/01/00